

**IDE INTEGRATION WITH JDBC**

**ABSTRACT OF THE DISCLOSURE**

The present invention is directed to a method and apparatus of providing programming assistance for an integrated development environment. In one embodiment, a code portion is received. An attempt to retrieve a structured query language (SQL) statement that corresponds with the line code is then made. A recommendation based on the code portion for restructuring the corresponding SQL statement is then generated. The recommendation may include a modified SQL statement, referred to as a recommended SQL statement or a textual spoken language recommendation.